



SECTION 11

Deceased Organ Transplant Waiting List

This chapter brings together waiting list data for the various organs. This data is not directly collected by ANZOD, but has been provided by the relevant transplant outcome Registries. In many cases more detailed information is contained in the annual reports of the relevant transplant outcome Registries.

Contents

Suggested Citation	1
Waiting List Dynamics	2
Kidney Waiting List	3
Liver Waiting List.....	3
Cardiothoracic Organ Waiting List.....	4
Heart	4
Lung.....	4
Pancreas Waiting List	5
Intestine Waiting List.....	5

Suggested Citation

ANZOD Registry, 2017 Annual Report, Section 11: Deceased Organ Transplant Waiting List. Australia and New Zealand Dialysis and Transplant Registry, Adelaide, Australia. 2018. Available at <http://www.anzdata.org.au>

Waiting List Dynamics

There are some important caveats to consider when interpreting the waiting list data presented in this report.

Firstly, waiting list data is not necessarily a good indicator of actual demand for transplantation. Due to the limited availability of organs for transplantations not all people with end stage organ disease are able to be treated with transplantation and therefore each organ waiting list employs criteria for listing in order to prioritise the use of organs.

There are many rules guiding eligibility for transplantation, for example, listing on the kidney transplant waiting list requires an 80% expected survival at 5 years post transplantation. For further information please see the organ transplantation from deceased donor consensus statement on eligibility criteria and allocation protocols. (www.tsanz.com.au/organallocationprotocols/index.asp).

Secondly, the reasons for removal from the waiting list also vary. In some cases, an individual may pass away before receiving an organ. In other cases (particularly cardiothoracic and liver waiting lists) they may be removed due to improving health; conversely removal may reflect deteriorating health such that the risks of transplantation outweigh benefits. Data regarding whether these people subsequently return to the waiting list, remain off the list, or die without returning to the list is not collected at this stage.

Thirdly, the waiting list data refers only to people on the “active” waiting list who would be transplanted immediately if an organ were available. For some organs, there are groups of patients who have been assessed but not yet activated on the waiting list, or who are temporarily removed or made “inactive”. For example, patients may develop a medical problem that makes them temporarily or permanently unfit for transplantation.

Residents of Australia or New Zealand who have transplants performed abroad may not be reported to local transplant outcome Registries and may not impact on the wait list stock and flow.

For all organs, data is presented in a “stock and flow” format, examining the transitions on and off the waiting list over the period of a calendar year. It is possible those removed from the waiting list are subsequently re-listed. For organs that have criteria for urgent transplant (i.e. liver, heart, lung) patients may be placed on the waiting list and removed very quickly and therefore annual census numbers do not represent the activity and readers should refer to the “made active” number to get an idea of overall activity.

The figures in the tables refer to the lists at 1 January and 31 December of each year.

In the tables presented in this chapter, the rows describe:

- Number on the active list at the beginning of each year
- Number added to the active list during the year
- Number removed from the active list during the year
- Number of deceased donor (DD) transplants to people on the waiting list
- Number of living donor (LD) transplants to people on the waiting list
- Number of transplants performed outside Australia / New Zealand to people on the waiting list
- Number who died while on the active waiting list
- Number on the active waiting list at the end of the year

Kidney Waiting List

Data for these waiting lists are derived from the from National Organ Matching System (NOMS) of Australia combined with material from the ANZDATA Registry. Some people in the deceased donor (DD) kidney waiting lists may receive a kidney from a living donor (LD), though the majority of living kidney donor recipients are not on the waiting lists. A patient is deemed fit for transplantation and activated on the deceased donor transplant list but a living donor kidney can be made available prior to a deceased donor transplant taking place. These two groups are illustrated separately.

Data is currently only available for Australia. Negotiations are continuing to also include New Zealand data in future reports.

Further material is available in the ANZDATA Annual Report at www.anzdata.org.au

Table 11.1 Deceased Donor Kidney Waiting List -Stock and Flow, 2010 - 2016

	Event	2011	2012	2013	2014	2015	2016	2017
Australia	Active start of year	1185	1088	1078	1077	1145	1070	953
	Made active	708	747	779	854	767	824	963
	Taken off list	199	155	141	148	156	135	144
	DD graft	532	552	581	573	633	760	751
	LD graft	62	44	54	56	42	37	45
	Overseas graft	2	0	1	0	2	1	1
	Died on list	9	6	3	9	8	9	10
	Active end of year	1089	1078	1077	1145	1070	952	964

Data may differ to that previously published as data is updated in subsequent years in NOMS and ANZDATA

Liver Waiting List

This table includes the waiting lists for both Australia and New Zealand. For liver transplantation, the waiting list is extracted from the Australia and New Zealand Liver Transplant Registry (ANZLTR) Annual Report, based on returns from transplanting centres. More detailed analyses can be found in the Report, at <http://www.anzltr.org/>.

Table 12.2 Deceased Donor Liver Waiting List Activity, 2013-2016

Country	Event	2013	2014	2015	2016	2017
Australia	Active start of year	168	152	190	187	140
	Made active	314	342	337	337	345
	Taken off list	59	54	54	61	43
	DD graft	249	234	267	312	281
	LD graft	1	1	2	2	2
	Died on List	21	16	18	9	12
	Active end of year	152	189	186	140	147
New Zealand	Active start of year	21	19	21	24	23
	Made active	43	56	61	70	72
	Taken off list	5	14	7	11	26
	DD graft	31	38	45	55	52
	LD graft		5	3	4	3
	Died on list	5	2	3	4	2
	Active end of year	19	18	24	24	24

Data may differ to that previously published as data is updated in subsequent years in ANZLTR.

Cardiothoracic Organ Waiting List

Waiting lists for heart transplants: lung transplants and heart-lung transplants are collated by the Australia and New Zealand Cardiothoracic Organ Transplant Registry (ANZCOTR), based on reports from transplant units. The data in the tables are supplied by the ANZCOTR, and include both Australia and New Zealand waiting list data. Further material for each organ is available in the ANZCOTR Annual Report at <http://www.anzcotr.org.au/>.

Heart

Table 12.3 Deceased Donor Heart Waiting List Activity, 2011 - 2017

	Event	2011	2012	2013	2014	2015	2016	2017
Australia	Active start of year	46	65	64	48	60	44	44
	Made active	107	92	91	127	98	142	143
	Taken off list	16	13	19	32	15	13	14
	DD graft	65	73	77	78	93	124	92
	LD graft	0	0	0	0	0	1	1
	Died on list	7	7	11	5	5	4	8
	Active end of year	65	64	48	60	44	44	72
New Zealand	Active start of year	11	13	14	10	8	13	14
	Made active	20	19	18	18	19	18	20
	Taken off list	5	5	9	3	4	4	2
	DD graft	11	12	9	17	10	11	24
	LD graft	0	0	0	0	0	0	0
	Died on list	2	1	4	0	0	2	0
	Active end of year	13	14	10	8	13	14	8

Lung

Table 11.3 Deceased Donor Lung Waiting List Activity, 2011 - 2017

	Event	2011	2012	2013	2014	2015	2016	2017
Australia	Active start of year	116	99	94	96	111	85	77
	Made active	182	171	206	223	211	234 ¹	252
	Taken off list	24	11	23	29	33	32 ¹	10
	DD graft	162	149	169	166	195	199	210
	Died on list	13	11	13	14	9	11	9
	Active end of year	99	99	95	110	85	77	100
New Zealand	Active start of year	8	13	13	13	13	5	8
	Made active	17	24	21	18	19	24	23
	Taken off list	2	9	1	0	4	2	3
	DD graft	10	12	19	17	23	17	0
	Died on list	0	4	1	1	0	2	0
	Active end of year	13	13	13	13	5	8	8

¹These values were corrected from a previously published version on 15 January 2018.

Pancreas Waiting List

Data for the pancreas transplant waiting list is derived from data supplied by hospitals to the Australian and New Zealand Pancreas and Islets Transplant Registry (ANZPITR). It includes both people waiting for a combined kidney-pancreas transplant (the majority) and those waiting for a pancreas transplant alone. It does not include people waiting for pancreas islet cell transplants.

Table 12.5 Deceased Donor Pancreas Transplant Waiting List Activity, 2014 – 2017

Country	Event	2014	2015	2016	2017
Australia	Active start of year	63	59	40	41
	Made active	38	42	69	53
	Taken off list	14	12	24	6
	DD graft	43	45	51	28
	Died on List	4	4	4	4
	Active end of year	59	40	41	60
New Zealand	Active start of year	7	4	4	4
	Made active	3	4	7	6
	Taken off list	3	1	3	2
	DD graft	2	3	4	2
	Died on list	1	0	0	1
	Active end of year	4	4	4	5

Intestine Waiting List

Data for the intestine transplant waiting list is derived from data supplied by hospitals to the Australian and New Zealand Liver Transplant Registry. It includes both people waiting for a combined organ and intestine transplant (the majority) and those waiting for an intestine only transplant.

Data included in this report is on 2016 activity only.

Table 12.6 Deceased Donor Intestine Waiting List Activity, 2016

Country	Event	2016	2017
Australia	Active start of year	5	4
	Made active	0	1
	Taken off list	0	0
	DD graft	1	1
	Died on List	0	1
	Active end of year	4	3